

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L27 | 14 | ("4991105" "5260664" "5390231" "5428682" "5619567" "5659610" "5694465" "5737411" "5809109" "5937033").PN. OR ("6356624").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2008/09/14 17:43 |
| L26 | 2 | ("6356624").PN. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/14 17:43 |
| L25 | 2 | ("20010043568").PN. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/14 17:41 |
| L24 | 25 | 23 and 1 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 16:52 |
| L23 | 39 | (((control\$4 adjust\$4 balanc\$4) near (current voltage)) with (feedback (feed adj back))) with differential with data | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 16:52 |
| L22 | 1577 | (((control\$4 adjust\$4 balanc\$4) near (current voltage)) with (feedback (feed adj back))) with differential | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 16:48 |
| L21 | 2639 | (((control\$4 adjust\$4 balanc\$4) near (current voltage)) with (feedback (feed adj back))) same differential | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 16:47 |
| L20 | 8 | ("20020194560" "20040096022" "4584690" "6466626" "6566891" "6647041" "6690744" "6873218").PN. OR ("7224746").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2008/09/14 16:43 |
| L19 | 4 | ("3980826" "4584690" "5164960").PN. OR ("6690744").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2008/09/14 16:38 |

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|-----|--------|--|---|-----|----|---------------------|
| L17 | 75 | 1 and 16 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 16:10 |
| L16 | 123 | ((control\$4 adjust\$4 balanc\$4) near (current voltage)) with (feedback (feed adj back)) with 9 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 16:01 |
| L15 | 262 | 1 and 14 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 16:00 |
| L14 | 497 | ((control\$4 adjust\$4 balanc\$4) near (current voltage)) same (feedback (feed adj back)) same 9 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 16:00 |
| L13 | 2 | 2 12 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/09/14 15:57 |
| L12 | 1798 | 9 11 1 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/09/14 15:56 |
| L11 | 52864 | ((control\$4 adjust\$4 balanc\$4) near (current voltage)) same (feedback (feed adj back)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:55 |
| L10 | 526729 | (control\$4 adjust\$4 balanc\$4) near (current voltage) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:54 |
| L9 | 55764 | differential near signal | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:54 |

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| L8 | 21 | (balanc\$4 with (current voltage)) and (differential pair) and 1 and 2 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:25 |
| L7 | 15 | 1 5 6 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/09/14 15:16 |
| L6 | 8218 | (balanc\$4 with (current voltage)) same (feedback (feed adj back)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:16 |
| L5 | 754 | (balanc\$4 with (current voltage)) and ((differential pair) near data) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:15 |
| L4 | 49 | (balanc\$4 with (current voltage)) same ((differential pair) near data) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:15 |
| L3 | 2 | (balanc\$4 with (current voltage)) and ((differential pair) near data) and L2 and L1 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:12 |
| L2 | 1668 | 375/296.ccls. 398/193.ccls. 455/114.3.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:12 |
| L1 | 25616657 | @ad< "20021017" | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 15:12 |
| S89 | 26 | S83 and S88 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 14:18 |

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| S88 | 49 | ((balanc\$4 with (current voltage)) same ((differential pair) near data) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 14:18 |
| S87 | 0 | S85 S86 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/09/14 13:55 |
| S86 | 1668 | 375/296.ccls. 398/193.ccls. 455/114.3.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 13:55 |
| S85 | 195 | S82 S83 S84 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/09/14 13:40 |
| S84 | 198673 | monitor\$4 with (voltage current) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 13:40 |
| S83 | 25616657 | @ad< "20021017" | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 13:39 |
| S82 | 3664 | S80 and S81 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 13:39 |
| S81 | 8218 | ((balanc\$4 with (current voltage)) same (feedback (feed adj back)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 13:38 |
| S80 | 22377 | ((balanc\$4 with (current voltage)) same (differential pair) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/14 13:34 |

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|-----|-------|---|---|----|-----|---------------------|
| S79 | 4 | ((("20030026282") or ("20040013263")).PN. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/14 13:32 |
| S78 | 24 | S77 and S49 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:36 |
| S77 | 33 | S74 and S76 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:36 |
| S76 | 2840 | modem and differential and (feedback same (voltage current amplitude)) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:35 |
| S75 | 0 | S72 and S74 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:35 |
| S74 | 248 | modem with (control\$4 adjust\$4) with feedback | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:35 |
| S72 | 2012 | (pair near (conductor line)) and differential and (feedback same (voltage current amplitude)) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:35 |
| S73 | 6 | ((("6356624") or ("20040013263") or ("20030026282")).PN. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/06/27 14:25 |
| S71 | 34367 | pair and differential and (feedback same (voltage current amplitude)) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:23 |

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|-----|------|---|---|-----|-----|---------------------|
| S70 | 69 | differential and power and S49 and feedback and S69 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:22 |
| S69 | 5979 | (power line communication) or (mains communication) or (power line telecom\$2) or powerband or (power line network\$4) or (power area network\$4) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/06/27 14:12 |
| S68 | 119 | S67 and differential | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:11 |
| S67 | 894 | S60 and (voltage current) and S49 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:00 |
| S64 | 53 | S60 and (voltage current) and feedback and S49 and differential | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 14:00 |
| S66 | 2 | ("4815106").PN. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/06/27 13:48 |
| S65 | 0 | ("2002/0126000").URPN. | USPAT | OR | ON | 2007/06/27 13:36 |
| S63 | 179 | S60 and (voltage current) and feedback and S49 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:35 |
| S62 | 2 | ("6275144").PN. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/06/27 13:35 |
| S61 | 126 | S60 and S42 and S49 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:32 |

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| S60 | 3581 | power adj1 line adj1 communication\$2 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:28 |
| S59 | 100 | S49 and S58 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:27 |
| S58 | 209 | S57 and differential and S42 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:21 |
| S57 | 8458 | power with S55 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:21 |
| S56 | 815 | power near S55 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:21 |
| S55 | 438848 | plc plt pln pan | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:21 |
| S54 | 1034 | plc and S51 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:21 |
| S53 | 42 | S43 and S52 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:20 |
| S52 | 139 | S51 and S42 and S49 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:11 |

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| S51 | 3677 | power adj line adj communicat\$4 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:11 |
| S47 | 95609 | power adj line | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:10 |
| S50 | 22 | S48 and S49 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:09 |
| S49 | 23220399 | @ad< "20021017" | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:09 |
| S48 | 28 | S47 and S46 and S44 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:09 |
| S6 | 23181474 | @ad< "20021017" | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:09 |
| S46 | 12723 | S45 same S41 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:08 |
| S45 | 1171418 | balanc\$3 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:08 |
| S44 | 5018 | S41 and S42 and S43 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:07 |

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|-----|----------|---|---|-----|----|---------------------|
| S43 | 528393 | feedback | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:07 |
| S42 | 177401 | monitor\$4 with (voltage current) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:04 |
| S41 | 182427 | differential with (control\$4 adjust \$4) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/27 13:04 |
| S40 | 69 | S39 and S38 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/01/08 03:27 |
| S39 | 23181474 | @ad<"20021017" | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 03:27 |
| S38 | 73 | S36 and S37 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/01/08 03:27 |
| S37 | 97825 | monitor\$4 with voltage | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/01/08 03:26 |
| S36 | 630 | 379/27.01,27.05,27.08.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/01/08 03:26 |
| S35 | 57 | S33 S34 S26 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/01/08 03:26 |

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|-----|----------|-------------------------------------|---|----|----|---------------------|
| S34 | 206504 | modem | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:43 |
| S33 | 2054 | line with quality with voltage | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:43 |
| S32 | 8 | quality with snr with voltage | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:43 |
| S31 | 10 | calculat\$4 with snr with voltage | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:42 |
| S30 | 10 | (calculat\$4 with snr) with voltage | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:41 |
| S29 | 34 | (calculat\$4 with snr) same voltage | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:36 |
| S28 | 0 | S17 and amplitude | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:36 |
| S27 | 31 | S25 and S26 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:28 |
| S26 | 23181474 | @ad<"20021017" | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:27 |

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| S25 | 45 | modem and S23 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:27 |
| S24 | 5 | snr with voltage with monitor\$4 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:27 |
| S3 | 23181474 | @ad<"20021017" | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:27 |
| S23 | 478 | snr with voltage | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:26 |
| S22 | 1 | snr and S21 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:26 |
| S21 | 2 | ("20030026282").PN. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/08 02:22 |
| S20 | 0 | S19 and snr | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:22 |
| S19 | 2 | ("20040013263").PN. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/08 02:22 |
| S18 | 0 | voltage and S17 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:22 |

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| S17 | 2 | ("20030043971").PN. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/08 02:04 |
| S16 | 1 | (amplitude same table) and S14 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 02:04 |
| S15 | 1 | table and S14 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 01:01 |
| S14 | 2 | ("20030026282").PN. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/08 00:57 |
| S13 | 0 | voltage and amplitude and S11 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 00:56 |
| S12 | 2 | voltage and S11 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 00:46 |
| S11 | 2 | ("20030185308").PN. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/08 00:46 |
| S10 | 18 | modem and S9 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 00:45 |
| S9 | 174 | S6 and S8 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 00:12 |

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|----|--------|--|---|-----|----|---------------------|
| S8 | 280 | (voltage current) with amplitude with monitor\$4 with transmi\$5 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 00:12 |
| S2 | 1773 | (voltage current) with signal with amplitude with monitor\$4 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/08 00:11 |
| S5 | 51 | S2 S3 S4 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/01/07 23:43 |
| S4 | 206504 | modem | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/07 23:39 |
| S1 | 77978 | (voltage current) with signal with amplitude | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/07 23:38 |

9/14/08 6:02:13 PM

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